

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A method for identifying ~~a compound having~~ in vivo antioxidant activity of a compound, said method comprising the steps of:
 - (a) ~~administering a the compound to~~ providing a first homozygous transgenic mouse in which the genes encoding Manganese Superoxide Dismutase (MnSOD) have been inactivated;
 - (b) providing a second homozygous transgenic mouse in which the genes encoding Manganese Superoxide Dismutase (MnSOD) have been inactivated of the same age as the first homozygous mouse;
 - (c) administering the compound to said first and second mice;
 - (d) determining lifespans of the first and second mice; and ~~mouse to which the compound was administered and the mouse to which the compound was not administered;~~
 - (e)(d) identifying a in vivo antioxidant activity of the ~~compound having antioxidant activity where the lifespan of the mouse to which the compound has been administered is longer than that of the mouse to which the compound has not been administered.~~

2. (currently amended) The method of claim 1 wherein said homozygous transgenic mouse is a ~~SodCJE(-/-)~~ Sod2CJE(-/-) or a Sod2m1BCM(-/-) mouse.
- 3-8 (canceled).
9. (currently amended) The method of claim 2 wherein the homozygous transgenic mouse is mice are about 3 days of age when the compound is first administered.
- 10-17. (canceled).